

AMENDMENTS TO THE CLAIMS:

The following is a complete listing of the claims with an indication of a status of each:

- 1 Claim 1 (Currently Amended). A shaped body, in particular for a seat cushion, having a lower, supporting gel layer (2) which forms a lower covering surface (1), consists of a polyurethane gel and, on its upper side, has integral supports (3) which are spaced apart from one another via expansion channels (4) and on which a polyurethane foam layer (6) rests, the upper side (5) of which layer is covered by an upper covering (7).
- 1 Claim 2 (Currently Amended). The shaped body as claimed in claim 1, wherein the integral supports (3) are at a narrower distance from one another in the region of the pressure peaks which occur under load.
- 1 Claim 3 (Currently Amended). The shaped body as claimed in claim 1 ~~or 2~~, wherein the integral supports (3) are of columnar design.
- 1 Claim 4 (Currently Amended). The shaped body as claimed in claim 1, ~~2 or 3~~, wherein the polyurethane foam layer (6) has, on its lower side, integral projections (6a) which enter into the expansion channels (4) of the gel layer (2).
- 1 Claim 5 (Currently Amended). The shaped body as claimed in ~~one of the preceding claims~~ claim 1, wherein the upper covering (7) is a spacer knit which consists of two textile surfaces connected to each other by spacer threads.
- 1 Claim 6 (Currently Amended). The shaped body as claimed in ~~one of the preceding claims~~ claim 1, wherein the polyurethane foam layer (6) completely or partially laterally encloses the gel layer (2).

1 Claim 7 (Currently Amended). The shaped body as claimed in ~~one of the preceding~~
2 claims claim 1, wherein the gel layer (2), after a film has been produced together with it
3 pulled off, is bonded to the polyurethane foam layer (6).

1 Claim 8 (Currently Amended). The shaped body as claimed in ~~one of claims 1 to 6 claim~~
2 1, wherein the polyurethane foam layer (6) is bonded to the supports (3) of the gel layer
3 (2) by an applied adhesive.

1 Claim 9 (Currently Amended). The shaped body as claimed in ~~one of claims 4 to 8 claim~~
2 4, wherein the integral projections (6a) of the polyurethane foam layer (6) extend as far
3 as the bottom (8) of the expansion channels (4).

1 Claim 10 (Currently Amended). The shaped body as claimed in claim 9, wherein the
2 projections (6a) of the polyurethane foam layer (6) are supported on the bottom (8) of the
3 expansion channels (4).

1 Claim 11 (Currently Amended). The shaped body as claimed in ~~one of the preceding~~
2 claims claim 1, wherein the chemical structure of the polyurethane gel consists of long
3 polymer threads and only a few linkages without added plasticizers being used.

1 Claim 12 (Currently Amended). The shaped body as claimed in ~~one of claims 1 to 10~~
2 claim 1, wherein an undercross linked polyurethane based on polyols and polyisocyanates
3 or polyethers and polyisocyanates is used for the gel.

1 Claim 13 (Original). The shaped body as claimed in claim 12, wherein the gel compounds
2 are produced using starting materials having an isocyanate functionality of the polyol
3 component of at least 5.2, preferably of at least 6.5, in particular of at least 7.5.

1 Claim 14 (Currently Amended). The shaped body as claimed in claim 12 ~~or 13~~, wherein
2 the polyol component for producing the gel consists of a mixture of
3 a) one or more polyols, having hydroxyl numbers under 112, and
4 b) one or more polyols having hydroxyl numbers in the range of from 112 to 600,
5 the weight ratio of component a) to component b) being between 90:10 and 10:90, the
6 characteristic isocyanate number of the reaction mixture lying in the range of from 15 to
7 60, and the product from the isocyanate functionality and functionality of the polyol
8 component being at least 6.

1 Claim 15 (Currently Amended). The shaped body as claimed in claim 12 ~~or 13~~, wherein
2 the polyol component for producing the gel consists of one or more polyols having a
3 molecular weight of between 1000 and 12 000 and an OH number of between 20 and 112,
4 the product of the functionalities of the polyurethane-forming components being at least 5
5 and the characteristic isocyanate number being between 15 and 60.

1 Claim 16 (Currently Amended). The shaped body as claimed in ~~one of claims 12 to 15~~
2 claim 12, wherein the isocyanates used for the production of the gels are those of the
3 formula Q (NCO) in which N is 2 to 4 and Q is an aliphatic hydrocarbon radical having 8
4 to 18 C atoms, a cycloaliphatic hydrocarbon radical having 4 to 15 C atoms, an aromatic
5 hydrocarbon radical having 6 to 15 C atoms or an araliphatic hydrocarbon radical having
6 8 to 15 C atoms.

1 Claim 17 (Currently Amended). The shaped body as claimed in ~~one of claims 12 to 16~~
2 claim 12, wherein the polyurethane is produced with isocyanates in a pure form or with
3 urethanized, allophanisized, biurethisized or functionally correspondingly modified
4 isocyanates.

1 Claim 18 (Currently Amended). The shaped body as claimed in ~~one of the preceding~~
2 claims claim 12, wherein the gel layer (2) contains elastic hollow microbeads as filler.

1 Claim 19 (Currently Amended). The shaped body as claimed in claim 18, wherein the
2 hollow microbeads ~~consist of~~ are made from polymeric material, preferably polyolefin.

1 Claim 20 (Currently Amended). The shaped body as claimed in claim 18 ~~or 19~~, wherein
2 the hollow microbeads are coated with a covering layer of an organic material, preferably
3 calcium carbonate.

1 Claim 21 (Currently Amended). The shaped body as claimed in claim 18, ~~19 or 20~~,
2 wherein the hollow microbeads have a diameter of 10 µm to 150 µm.

1 Claim 22 (Currently Amended). The shaped body as claimed in ~~one of claims 18 to 21~~
2 claim 18, wherein the content of hollow microbeads in the gel material is 0.1 to 10% by
3 weight.

1 Claim 23 (Currently Amended). The shaped body as claimed in ~~one of the preceding~~
2 claims ~~claim 18~~, wherein coarse-grained solid particles are selected from the group
3 consisting of small pieces of cork, cork powder, small pieces of wood, wood shavings,
4 foam flakes, styropor, textile fibers or pieces or textile are distributed in the gel
5 compound.

1 Claim 24 (Original). The shaped body as claimed in claim 23, wherein the diameter of the
2 solid particles is between 0.1 and 15 mm.